

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/08021

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C01B33/193 C01B33/18 C09C1/30 B60C1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C01B C09C B60C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 180 076 B1 (SIRAY MUSTAFA ET AL) 30 January 2001 (2001-01-30) claims 1,2,13 ---	1-5,14
A		6-13, 15-18
X	US 5 925 708 A (GOERL UDO ET AL) 20 July 1999 (1999-07-20) column 1, line 42 -column 3, line 48 ---	1-5,14
A		6-13, 15-18
A	US 5 705 137 A (GOERL UDO ET AL) 6 January 1998 (1998-01-06) the whole document ---	1-18 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

- \*&\* document member of the same patent family

Date of the actual completion of the international search

15 October 2003

Date of mailing of the international search report

24/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.  
 Fax: (+31-70) 340-3016

Authorized officer

Werner, H

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/08021

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EVANS L R ET AL: "ULTRA-HIGH REINFORCING PRECIPITATED SILICA FOR TIRE AND RUBBER APPLICATIONS EXTREM HOCHVERSTARKENDES GEFALLTES SILICIUMDIOXID FUR DIE ANWENDUNG IN REIFEN UND GUMMIARTIKELN" KAUTSCHUK UND GUMMI - KUNSTSTOFFE, DR. ALFRED HUTHIG VERLAG GMBH. HEIDELBERG, DE, vol. 48, no. 10, 1 October 1995 (1995-10-01), pages 718-723, XP000531725 ISSN: 0948-3276 page 719; table 4 -----	1

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/08021

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6180076	B1	30-01-2001	DE AT BR DE DK EP ES JP PL PT TR TW	19740440 A1 212954 T 9803966 A 59803001 D1 901986 T3 0901986 A1 2141693 T1 11157826 A 328556 A1 901986 T 9801831 A2 446683 B	18-03-1999 15-02-2002 07-12-1999 21-03-2002 21-05-2002 17-03-1999 01-04-2000 15-06-1999 29-03-1999 31-07-2002 21-10-1999 21-07-2001
US 5925708	A	20-07-1999	US US	5846506 A 2002169248 A1	08-12-1998 14-11-2002
US 5705137	A	06-01-1998	DE BR DE EP ES JP JP KR PL TR TW US ZA	19617039 A1 9602592 A 59602369 D1 0745558 A2 2133864 T3 3037615 B2 9025115 A 197777 B1 314565 A1 961046 A2 420702 B 5859117 A 9604505 A	05-12-1996 06-10-1998 12-08-1999 04-12-1996 16-09-1999 24-04-2000 28-01-1997 15-06-1999 09-12-1996 21-12-1996 01-02-2001 12-01-1999 03-09-1996

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/EP 03/08021

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6180076	B1	30-01-2001	DE AT BR DE DK EP ES JP PL PT TR TW	19740440 A1 212954 T 9803966 A 59803001 D1 901986 T3 0901986 A1 2141693 T1 11157826 A 328556 A1 901986 T 9801831 A2 446683 B	18-03-1999 15-02-2002 07-12-1999 21-03-2002 21-05-2002 17-03-1999 01-04-2000 15-06-1999 29-03-1999 31-07-2002 21-10-1999 21-07-2001
US 5925708	A	20-07-1999	US US	5846506 A 2002169248 A1	08-12-1998 14-11-2002
US 5705137	A	06-01-1998	DE BR DE EP ES JP JP KR PL TR TW US ZA	19617039 A1 9602592 A 59602369 D1 0745558 A2 2133864 T3 3037615 B2 9025115 A 197777 B1 314565 A1 961046 A2 420702 B 5859117 A 9604505 A	05-12-1996 06-10-1998 12-08-1999 04-12-1996 16-09-1999 24-04-2000 28-01-1997 15-06-1999 09-12-1996 21-12-1996 01-02-2001 12-01-1999 03-09-1996